

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) An organic light emitting diode (OLED) display ~~consisting of comprising~~ a plurality of pixels, each pixel emitting light ~~in one of a plurality of colors, the~~ display comprising:

a lower electrode layer;

a photo-resist layer, said photo-resist layer fabricated upon said lower electrode layer, said photo-resist layer having a height of less than or equal to three microns, said photo-resist layer patterned into a plurality of banks to define pockets upon said lower electrode layer, each pocket defining the active region of each of said pixels;

a plurality of polymer layers contained within said pockets, said polymer layers formed by dropping at least one liquid substance into each of said defined pockets and allowing said at least one liquid substance to dry therein; and

an upper electrode layer patterned above said polymer layers, said upper and lower electrode layers conducting electrical energy to said plurality of polymer layers causing at least one of said polymer layers to emit light thereby.

2. (Currently Amended) A display according to claim 1 wherein said at least one liquid substance includes at least partially organic materials.

3. (Currently Amended) A display according to claim 2 wherein said polymer layers include:

a conducting polymer layer which aids in the transport of electrical energy; and

an emitting polymer layer emitting light ~~in one of said colors~~ upon activation by said electrical energy.

4. (Currently Amended) A display according to claim 3 wherein said colors includes light is emitted in at least one of a white, red, green and or blue color[[s]].

5. (Currently Amended) A display according to claim 1 wherein the height of the photo-resist banks depends in part upon the is based upon the amount of said at least one liquid substance to be deposited dropped in each pocket.

6. (Currently Amended) A display according to claim 1 wherein said at least one liquid substance when dried has a substantially flat and substantially uniform profile.

7. (Original) A display according to claim 3 wherein said lower electrode layer is an anode layer and said upper electrode layer is a cathode layer.

8. (Currently Amended) A method of fabricating an organic electronic device, said method comprising:

patterning a lower conducting layer upon a substrate;
fabricating a photo-resist layer upon said lower electrode layer, said photo-resist layer having a height of not more than three microns, said photo-resist layer patterned into banks to define pockets upon said lower electrode layer, each pocket defining the an active region of each of said pixelsdevice; and

depositing at least one liquid substance into each said pocket, wherein said at least one liquid substance includes at least one polymer and is allowed to dry into layers contained within said pockets composed of organic materials.

9. (Original) A method according to claim 8 wherein said organic electronic device is an organic light emitting diode (OLED) display.

10. (Original) A method according to claim 9 wherein each said pocket defines at least one of a pixel and a sub-pixel of said display.

11. (Currently Amended) A method according to claim 10 wherein said at least one liquid substance includes an emissive polymer, said emissive polymer emitting light upon application of electrical energy thereto, said layers including thereby an emissive polymer layer fabricated from said emissive polymer.

12. (Currently Amended) A method according to claim 11 further comprising:
fabricating an upper conducting layer above said dried ~~film~~ layers, said upper conducting layer and said lower conducting layer conducting electrical energy to said emissive polymer layer.

13. (Currently Amended) A method according to claim 12 wherein said at least one liquid substance also includes an additional conducting polymer, said layers including a conducting polymer layer formed by drying of said substance allowed to dry into a conducting polymer layer, said conducting polymer layer ~~an additional layer of said layers of organic materials and disposed upon under~~ said emissive polymer layer.

14. (Original) A method according to claim 8 wherein said substance when dried has a substantially flat and substantially uniform profile.

15. (New) A display according to claim 6 wherein said profile has a thickness variation of less than about 15% across about 80% of a width of the at least one liquid substance when dried.

16. (New) The display of claim 5, wherein the height of the photo-resist banks is optimized based upon properties of said at least one liquid substance to be dropped into each pocket.

Applicant : Gupta et al.
Serial No. : 10/758,430
Filed : January 14, 2004
Page : 5 of 10

Attorney's Docket No.: 2003 P 12965 US

Amendments to the Drawings:

The attached replacement sheets of drawings includes changes to figures 1-4 and replaces the original sheet including figures 1-4.

In figures 1-4, the label "Prior Art" has been added.

Attachments following last page of this Amendment:

Replacement Sheets (4 pages)
Annotated Sheet Showing Changes (4 pages)